BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name Of Work :- Detailed Estimate for Providing and laying Aerial Bunched Cables/damaged poles/panel boards to Major roads in Byaarayanapura constituency ward no 5

Budget Head .....

Division No..... Estimate No. ..... For Rs.= 500000.00

Sl. No.	Description of Work	Qty	Rate Rs. Ps.	Unit	Amount
1	Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil	5	378.00	Nos	1890.00
2	Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	5	304.00	Nos	1520.00
3	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	5	982.00	Nos	4910.00
4	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	5	273.60	Nos	1368.00
5	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	4	1200.00	Nos	4800.00
6	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole .8Mtr and above street light pole.	5	700.00	Nos	3500.00
7	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.2 X 25 + 1 X 25 SQ.MM KPWD ELE SR 2014-15	1500	143.00	Per Mtr	214500.00
8	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	1500	10.30	Per Mtr	15450.00
9	Piercing connector suitable for 16 sqmm - 95 sqmm AB cable -steel light connection. Bescom SR of 2010-11, Page no 16 of 34, Serial no 51.12.	5	147.00	Each	735.00
10	Suspension clamp assembly 25 to 95 sqmm bare messenger. Bescom SR of 2010-11, Page no 16 of 34, Sl no 51.17.	5	280.00	Each	1400.00
11	Dead end clamp / Anchor clamp assembly 25 to 95 sqmm bare messenger, Bescom SR of 2010-11, Page no 16 o 34, Sl no 51.16.	1	140.00	Each	140.00
12	Universal Hook and Bolts and Nuts, Bescom SR of 2010-11, Page no 16 of 34, Sl no. 51.15.	2	280.00	Each	560.00
13	Erection of Suspension Clamp - 25 to 95 sqmm bare messenger. Bescom SR of 2010-11, Page No 21 of 27, Sl No 26.6.	5	85.00	Each	425.00
14	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.26/5.14.1	3	4530.00	Each	13590.00
15	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm40/6.4.4	100	150.00	Mtrs	15000.00

16	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench Gl pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm	100	30.00	Mtrs	3000.00
17	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete.41/6.6.1	80	76.00	Mtrs	6080.00
18	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete.16SWG KPWD ELE SR Page-30/5.42.2	100000	0.35	sq.cms	35000.00
19	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. KPWD ELE SR Page-24/5.7.3 100Amps	18	227.00	Each	4086.00
20	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring.I Group A Materials.6 sqmm 6/2.3.3	100	70.00	Mtrs	7000.00
21 AR	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5)Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure. 7) transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	3	51500.00	No	154500.00
22	GST 12% ON item 14 to 20				10050.72
23	Misleniuos				495.28
	Total Rs				**500000.00**

CERTIFICATE

1. The Place was inspected and work is essential
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on AR/2019-20 / , BESCOM SR approved rates

LGR

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

Administrative Sanction for Rs. 5:00 Lakhs
Rupees Five lakhs only
is accorded for P3254 Maintenance of Community Hall
Registered as 35/19-20
to conduct
No. BBMP/EE/ELE/Y2/AS/35/19-20
Dated: 18.12.2019

EXECUTIVE ENGINEER (ELEC)
YELAHANKA DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer

TECHNICAL SANCTION IS ACCORDED FOR Rs. 5:00 Lakhs/
Rupees Five lakhs only
Under P3254 Maintenance of Community Hall
Registered as
Subject BBMP/EE/ELE/Y2/AS/35/18-19
enclosure 18/12/2019.
Dt
Submitted BBMP/EE/ELE/Y2/TS/22/19-20
Dated 18.12.2019

Executive Engineer